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Pregnant Heifers *(continued from page 1395)*

calf serum ($25 to $110 per liter) and other unborn-calf specialty products are a source of profits (which they do not pay for). If existing research and experience are considered the best guide, pregnancy testing on arrival, along with the proper use of abortifacients, will increase the profitability of feeding heifers.

REFERENCES

1. Edwards AJ: Feeding heifers: Options to consider. Unpublished data, Kansas State University, Manhattan, KS, 1997.
2. The economics of the pregnant heifer. *Proc Acad Vet Consultants* XII(1), 1984.
3. Bennett B: The pregnant feedlot heifer. *Anim Nutr Health:* 5–8, May 1985.
4. Field R, McCormick R, et al: Growth, carcass, and tenderness characteristics of virgin, spayed, and single calf heifers. *J Anim Sci* 74(9):2178–2186. 1996.
5. Walker C, Flack O: Pregnancy effects on feed intake, gain and feed efficiency of finishing heifers. *Agri-Pract* 9(4): 13–15, 1988.
6. Edwards AJ, Laudert SB: Economic evaluation of the use of feedlot abortifacients. *Bovine Pract* 19(11):148–150, 1984.
7. Stanton TL, Bennett B: Effect of abortion on individually fed finishing heifer performance. *Agri-Pract* 9(1):15–17, 1988.

BIBLIOGRAPHY

Bennett B: Pregnant feedlot heifers earn their discount. *Farm J Beef Extra*:30, August 1986.

Bennett B, Clayton RP: Slaughter weight loss attributable to pregnancy in feedlot heifers. *Food Anim Mod Vet Pract*: 677–679, September 1984.